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566.43530X00

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Patent Application of:

N. MORISHITA et al.

Confirmation No.: 7435

Serial No. 10/783,018

Group Art Unit: 2189

Filed: February 23, 2004

Examiner: H.L. Flournoy

For: REMOTE COPY SYSTEM

Customer No.: 24956

RESPONSE TO OFFICE COMMUNICATION

MAIL STOP: ISSUE FEE

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

Applicants received an Office Communication mailed September 12, 2006 with attached PTO-1449 Forms. Applicants respond to the Communication as follows.

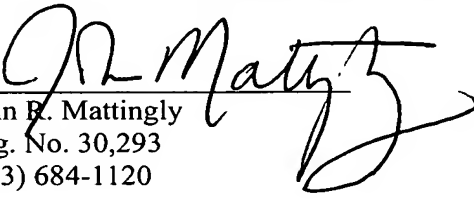
The Examiner has returned PTO 1449 Forms originally filed January and February 23, 2004. All of the documents listed on these PTO-1449 forms have already been considered. Copies of the forms as initialed by the Examiner are enclosed to clarify the record. However, the reference JP 2004-294642 filed in the January 28, 2005 Information Disclosure Statement was not considered. Applicants have submitted a copy of the reference, however, the reference is not material with respect to the claimed invention and further consideration thereof is not necessary as a result.

Concerning the Information Disclosure Statement filed on February 23, 2004, consideration of two Japanese references, JP 2003-15931 and JP 2002-82775, was requested. However, Applicants previously presented two corresponding U.S. references, U.S. Publication No. 2004/0145538 A1 and U.S. Patent No. 6,752,120 which correspond to JP 2003-15931 and JP 2002-82775, respectively. It is not necessary to have JP 2003-15931 and

JP 2002-82775 considered separately from the corresponding English language equivalents, since JP 2003-15931 and JP 2002-82775 are essentially cumulative with respect thereto. Therefore, Applicants withdraw their request to reconsider these references.

Respectfully submitted,

MATTINGLY, STANGER, MALUR & BRUNDIDGE, P.C.

By 
John B. Mattingly
Reg. No. 30,293
(703) 684-1120

JRM/so

Date: October 16, 2006



Sheet 1 of 1

Form PTO-1449 INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use several sheets if necessary)	U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE	ATTY. DKT. NO. 566.43530X00	SERIAL NO. 10/783018
	APPLICANT MORISHITA, et al.		
	FILING DATE February 23, 2004	GROUP 2189	

U.S. PATENT DOCUMENTS

Examiner Initial	Document Number	Date	Name	Class	Subclass	Filing Date
AA	2003/0004981 A1	01/02/2003	KANEDA, et al.	707	204	08/30/2001
AB	2002/0004857 A1	01/10/2002	ARAKAWA, et al.	710	1	04/12/2001
AC	6,408,370 B2	06/18/2002	YAMAMOTO, et al.	711	167	06/18/2002
AD	6,240,494 B1	05/29/2001	NAGASAWA, et al.	711	165	12/16/1998
AE	6,640,291 B2	10/28/2003	FUJIBAYASHI, et al.	711	162	10/28/2003
AF						
AG						
AH						
AI						
AJ						
AK						
AL						

FOREIGN PATENT DOCUMENTS

Examiner Initial	Document Number	Date	Country	Class	Subclass	Abstract	
						Yes	No
AM	2003-15931	01/17/2003	JP	G06F	12/00		X
AN	2002-82775	03/22/2002	JP	G06F	3/06		X
AO	11-85408	03/30/1999	JP	G06F	3/06		X
AP	11-184641	07/09/1999	JP	G06F	3/06		X
AQ	2003-108315	04/11/2003	JP	G06F	3/06		X
AR	2003-85018	03/20/2003	JP	G06F	12/00	X	
AS							
AT							

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

AU	
AV	
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AX	
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AZ	
Examiner 	Date Considered 02/23/06



SHEET 1 OF 2

FORM PTO-1449 U.S. Department of
Commerce (Rev. 4/92) Patent and Trademark
Office

ATTY. DOCKET NO.

566.43530X00

SERIAL NO.

10/783,018

INFORMATION DISCLOSURE STATEMENT BY APPLICANT
APPLICANT
Roboru MORISHITA et al.FILING DATE
February 23, 2004GROUP
2186

(Use several sheets if necessary)

U.S. PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
AF	2002/0004857 A1	1-2002	ARAKAWA et al.			
AF	2004/0078399 A1	04-2004	TABUCHI et al.			
AF	2004/0107315 A1	06-2004	WATANABE et al.			
AF	2003/0033494 A1	02-2003	FUJIBAYASHI et al.			
AF	2003/0126388 A1	07-2003	YAMAGAMI			
AF	2004/0128363 A1	07-2004	YAMAGAMI et al.			
AF	2004/0148443 A1	07-2004	ACHIWA			
AF	2004/0153719 A1	08-2004	ACHIWA et al.			
AF	2003/0177321 A1	09-2003	WATANABE			
AF	2003/0004981 A1	01-2003	KANEDA et al.			
AF	2004/0145538 A1	07-2004	UCHIDA et al.			

FOREIGN PATENT DOCUMENTS

	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	ABSTRACT	
						YES	NO
AF	JP 1-185408	07-1989	Japan			X	
AF	JP11-184641	07-1999	Japan				

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

AF	ERVIN, "Managing Extended Distance EMC SRDF Semi-Synchronous Remote Copy," Technical Support, August 1999.
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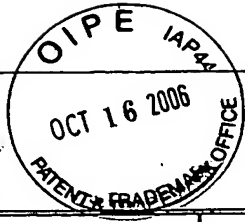
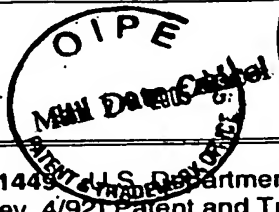
EXAMINER

DATE CONSIDERED

02/23/06

EXAMINER: Initial if citation is considered, draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

(Form PTO-1449 [6-4])



FORM PTO-1449 U.S. Department of
Commerce (Rev. 4/92) Patent and Trademark
Office

ATTY. DOCKET NO.
566.43530X00

SERIAL NO.
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INFORMATION DISCLOSURE
STATEMENT BY APPLICANT

APPLICANT
Noboru MORISHITA et al.

FILING DATE
February 23, 2004

GROUP
2186

(Use several sheets if necessary)

U.S. PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
LF	2004/0193660 A1	09-2004	GAGNE et al.			
LF	2004/0205294 A1	10-2004	NAKAYAMA et al.			
LF	2004*0230859 A1	11-2004	COCHRAN et al.			
LF	5,673,382	9-1997	CANNON et al.			
LF	6,253,295	6-2001	BEAL et al.			
LF	6,408,370	6-2002	YAMAMOTO et al.			
LF	6,420,494	07-2002	SOUCEK et al.			
LF	6,640,291	10-2003	FUJIBAYASHI et al.			
LF	6,752,120	06-2004	SAITO et al.			
LF	6,754,792	06-2004	NAKAMURA et al.			

FOREIGN PATENT DOCUMENTS

	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	ABSTRACT	
						YES	NO
LF	JP 2003-108315	04-2003	Japan			X	
	JP 2004-294642	10-2004	Japan				X

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

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EXAMINER

W. Flanagan

DATE CONSIDERED

02/23/06

EXAMINER: Initial if citation is considered, draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.